

IN THE SPECIFICATION

Please replace the paragraph at page 8, lines 4-9, with the following rewritten paragraph:

What is meant by the above formulas (3) and (4) is that the document link is established between the document element which is included in the document with the name of "abc.XML" and which has the name of "PPP", and the document element which is included in the document with the name of "xyz. XML" and which has the name of "QQQ". The abstract link is a description of ~~a document link including such a link establishing~~ condition as described above.

Please replace the paragraph at page 9, lines 11-21, with the following rewritten paragraph:

As described above, an abstract link description file 54 is made so as to express a ~~document link by describing includes~~ an abstract link, describing a link establishing condition for determining a document link to link a document file of a link source with a document file of a linking destination on the basis of retrieval of the document information of both document files, ~~in the abstract link description file 54~~. Further, ~~the abstract link description file 54 is made such that the abstract link describes the nature of the document elements of the documents files of the link source and the linking destination according to the Horn clause predicative expression. Furthermore, the abstract link description file 54 evaluation program~~ is made so as to derive the document elements of the documents files of the link source and the linking destination on the basis of backtrack ~~evaluation and calculation to bind a variable on the basis of during~~ document information retrieval. The abstract link is described using an atom predicate.